

Title (en)  
Mirror and lithographic apparatus with mirror

Title (de)  
Spiegel und Lithographiegerät mit Spiegel

Title (fr)  
Miroir et appareil lithographique avec miroir

Publication  
**EP 1521272 B1 20090603 (EN)**

Application  
**EP 04076982 A 20040708**

Priority  
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• EP 03077155 A 20030709

Abstract (en)  
[origin: EP1521272A2] The invention relates to a mirror, having a mirroring surface, wherein the mirroring surface comprises one or more protrusions comprising a material selected from at least one of Be, B, C, P, S, K, Ca, Sc, Br, Rb, Sr, Y, Zr, Nb, Mo, Ba, La, Ce, Pr, Pa and U, or wherein the mirroring surface comprises one or more first protrusions comprising a first material selected from at least one of Be, B, C, P, S, K, Ca, Sc, Br, Rb, Sr, Y, Zr, Nb, Mo, Ba, La, Ce, Pr, Pa and U, and one or more second protrusions comprising a second material selected from at least one of Be, B, C, Si, P, S, K, Ca, Sc, Br, Rb, Sr, Y, Zr, Nb, Mo, Ba, La, Ce, Pr, Pa and U, and wherein the first and second materials are not the same. The invention is further related to a lithographic projection apparatus comprising such mirrors. The invention also relates to a device manufacturing method using such lithographic apparatus.

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